

EMS Summary Report - Trauma 2013

State of Texas



REPORT NOTE.

The EMS Summary Report – Trauma 2013 provides a brief overview of selected data elements from **trauma patient records** submitted to the Texas EMS/Trauma Registry. The data represents runs made by EMS providers that were dispatched to, responded to, provided care to, or transported a person.

EMS providers are to report all runs to the Texas EMS/Trauma Registry in accordance to Texas Administrative Code, Title 25, Part 1, Chapter 103, Rule § 103.4.

If you have questions regarding this report or would like further information, please contact the Injury Program by phone (1-800-242-3562) or by email (injury.web@dshs.state.tx.us).

*This report represents 324,568 trauma patient records
submitted as of April 22, 2014 from active EMS agencies.*

STATE OF TEXAS
EMS Summary Report – Trauma 2013

Injury Epidemiology & Surveillance Branch

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STATE OF TEXAS

EMS Summary Report – Trauma 2013

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STATE CHARACTERISTICS



Table
1

EMS Agencies in Texas by Response Type

Response Type	Agencies	Percent
Emergency 911 & transfer	285	27.4
Emergency 911 only	308	29.6
Transfer only	447	42.9
Unknown	2	<1
Total	1,042	100.0

Figure
1

EMS Agencies in Texas by Response Type

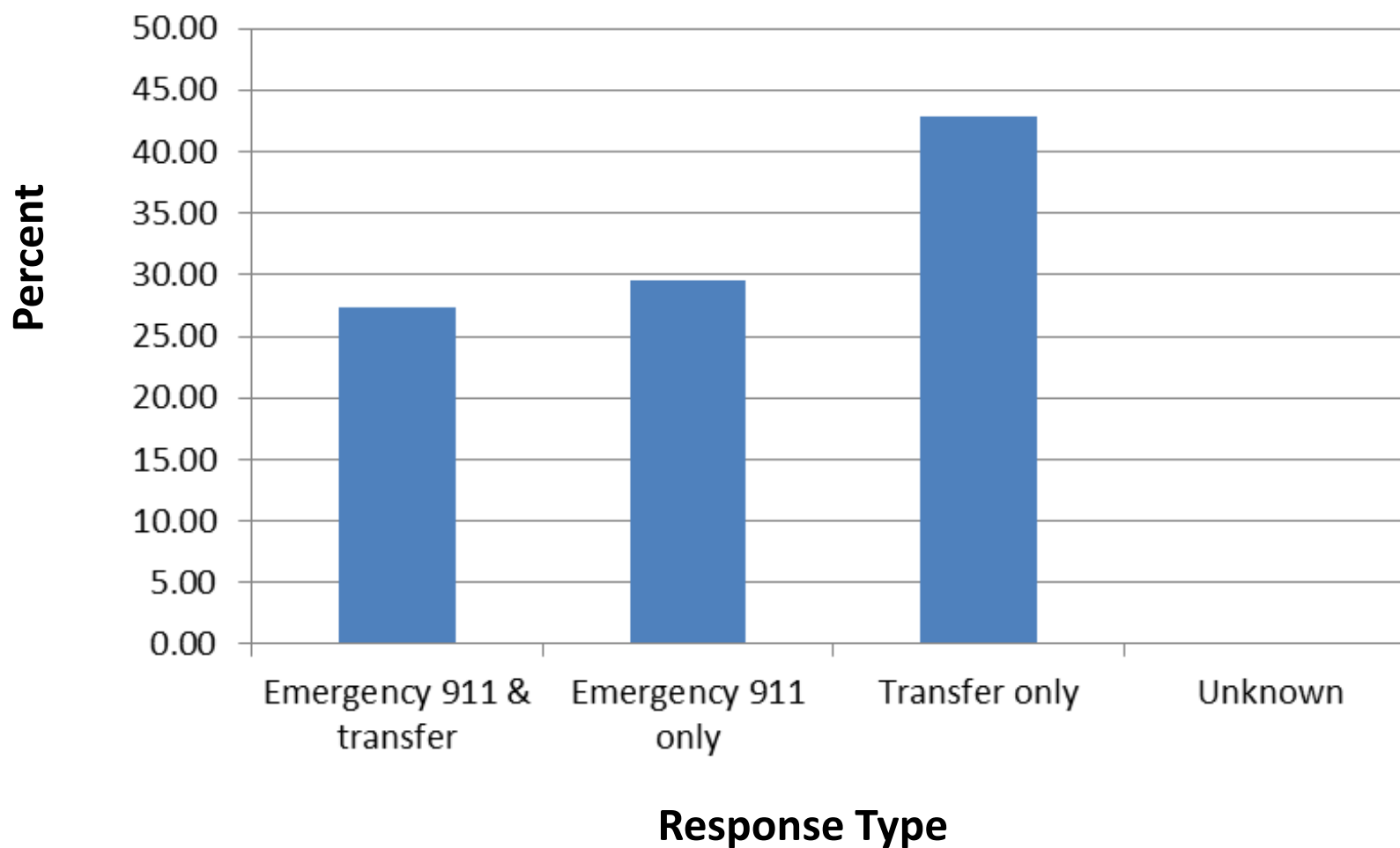


Table
2

EMS Agencies Reporting by Response Type

Response Type	Agencies	Reported to EMS/Trauma Registry	Percent Reported within Response Type
Emergency 911 & transfer	285	156	54.7
Emergency 911 only	308	203	65.9
Transfer only	447	24	5.4
Unknown	2	0	0.0
Total	1,042	383	36.8

Figure
2

EMS Agencies Reporting by Response Type

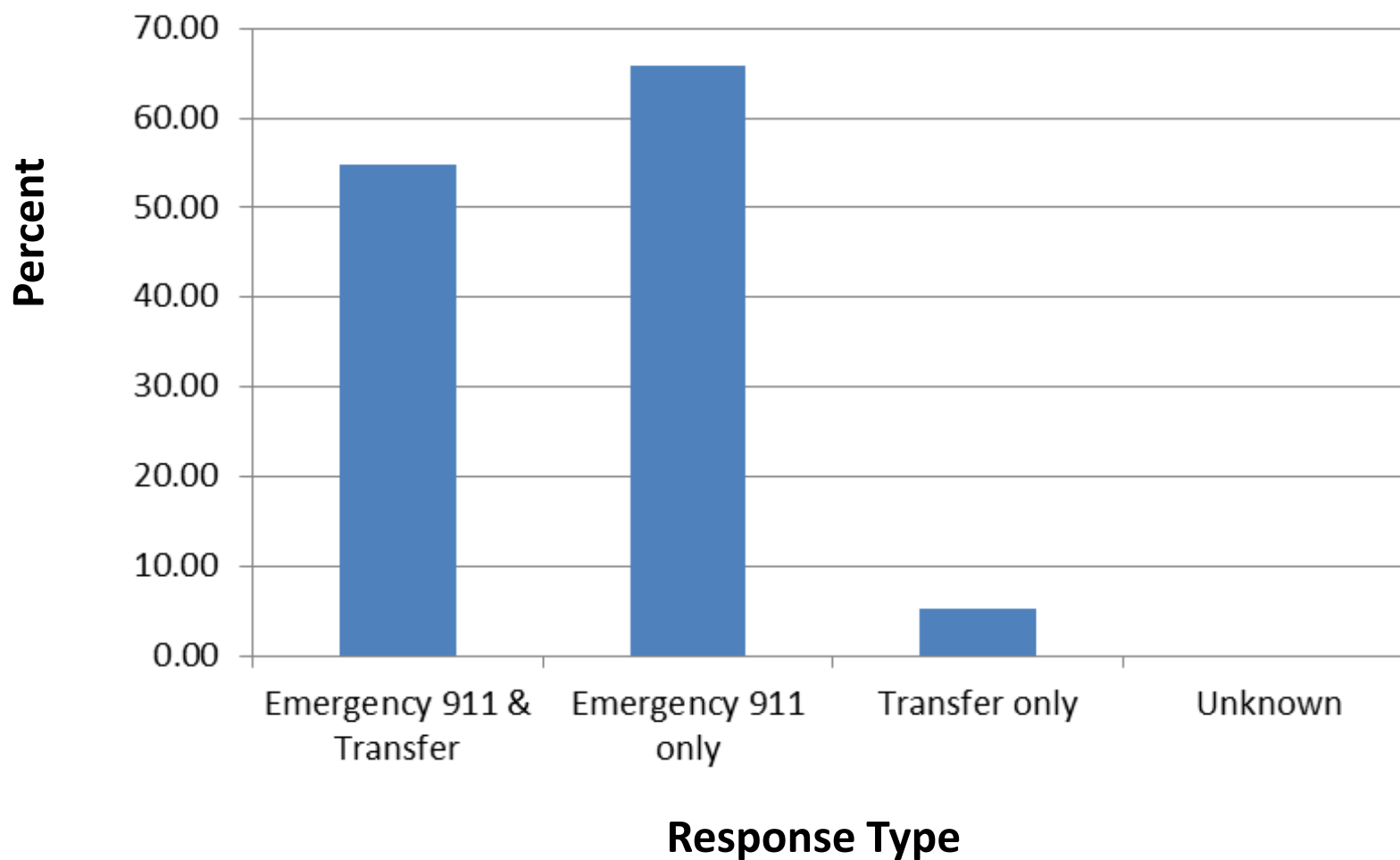


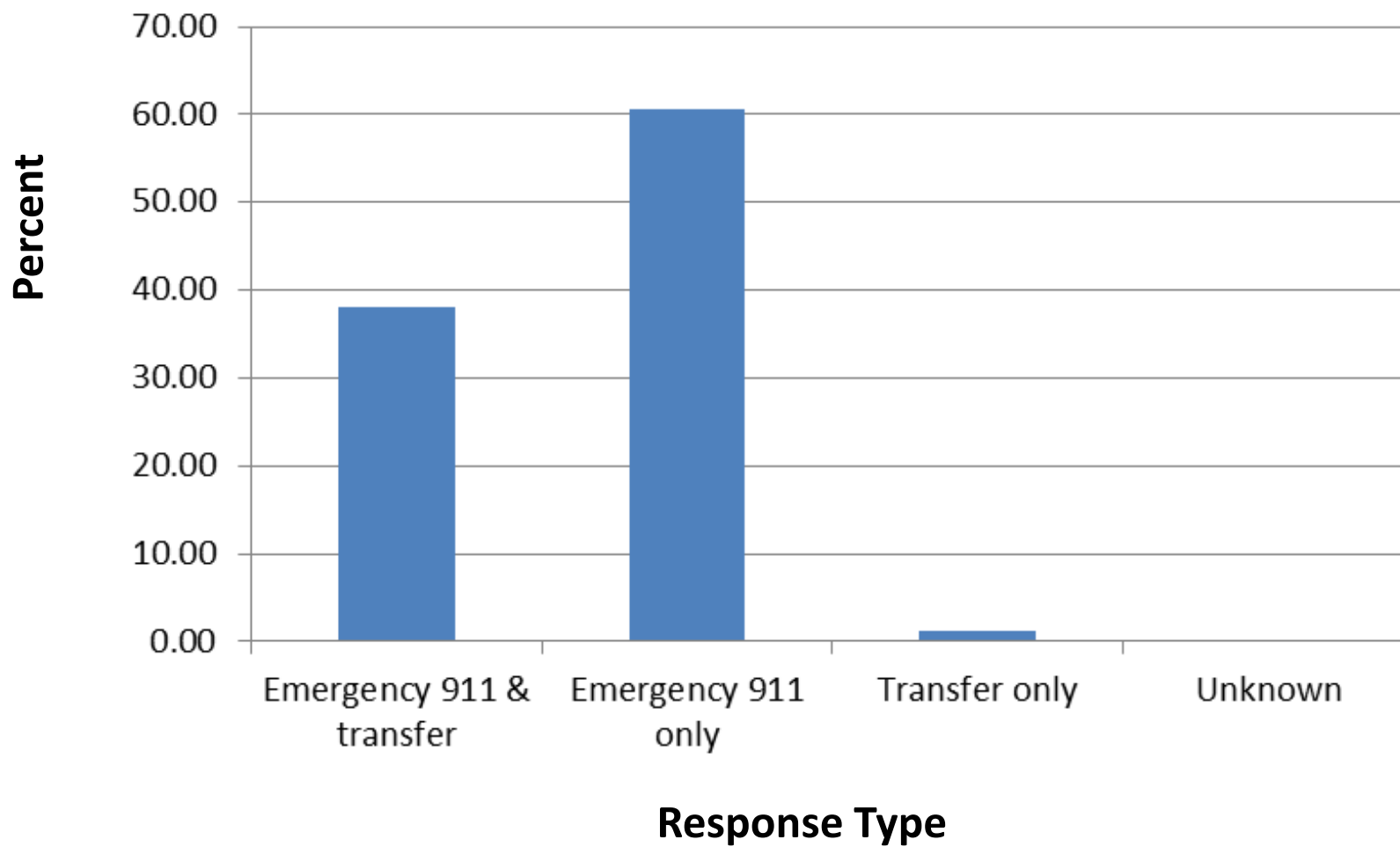
Table
3

Records by Response Type

Response Type	Records	Percent
Emergency 911 & transfer	123,651	38.1
Emergency 911 only	197,008	60.7
Transfer only	3,909	1.2
Unknown	0	0.0
Total	324,568	100.0

Figure
3

Records by Response Type



PATIENT CHARACTERISTICS



Table
4

Incidents by Age Group and Sex

Age Group	Male	Female
< 1 year	942	930
1-4	4,080	3,117
5-9	3,850	2,850
10-14	4,917	3,456
15-19	10,021	8,941
20-24	13,667	12,134
25-34	21,810	18,548
35-44	15,948	14,061
45-54	16,646	14,915
55-64	13,407	13,969
65-74	9,050	12,509
75+	14,957	30,552
Total	129,295	135,982

Figure
4

Incidents by Age Group and Sex

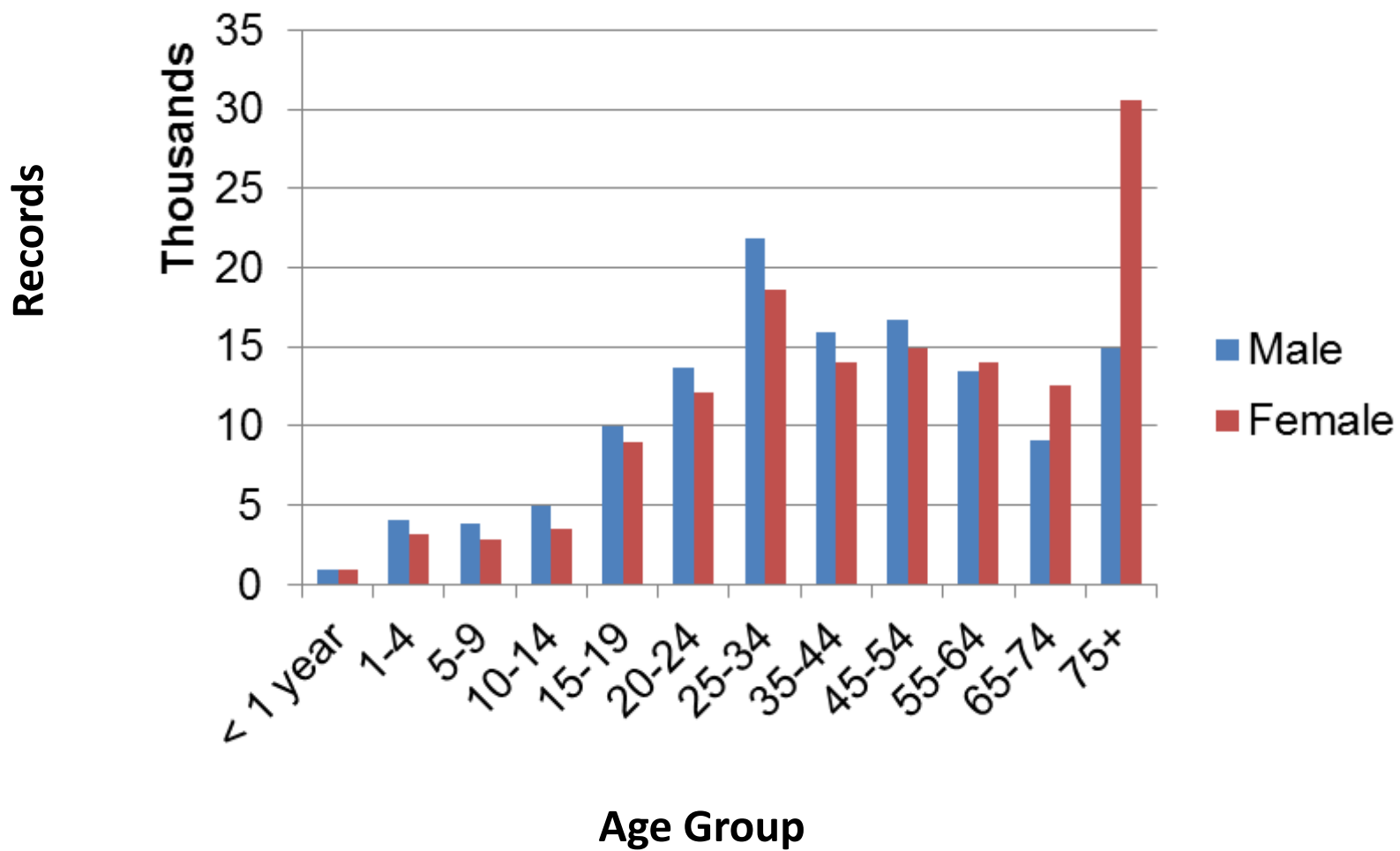


Table
5

Location of Patient at Time of Incident

Physical Location	Records	Percent
Unspecified place	135,962	41.9
Street and highway	65,209	20.1
Home	62,502	19.3
Other specified places	41,399	12.8
Public building	6,620	2.0
Place for recreation and sport	3,579	1.1
Industrial place and premises	1,803	<1
Residential institution	1,556	<1
Farm	368	<1
Mine and quarry	30	<1
Unknown	5,540	1.7
Total	324,568	100.0

Figure
5

Location of Patient at Time of Incident

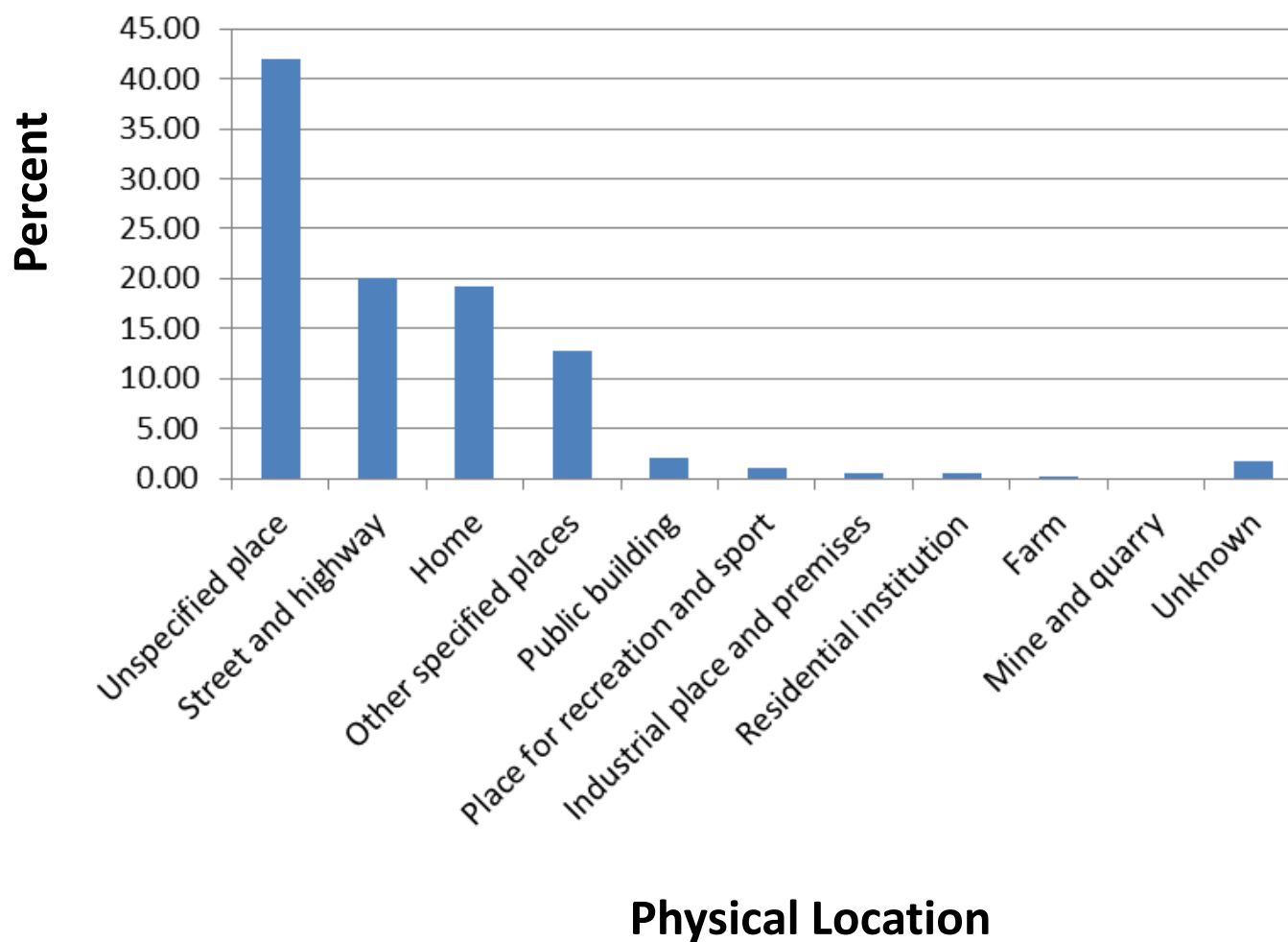


Table
6

Chief Complaint Anatomical Location

Anatomical Location	Records	Percent
Head	72,602	22.4
Extremity – lower	17,520	5.4
Extremity – upper	14,594	4.5
Neck	11,385	3.5
Chest	5,509	1.7
Abdomen	4,603	1.4
Back	4,248	1.3
General – global	273	<1
Mental status	69	<1
Skin	50	<1
Neurological	26	<1
Genitalia	14	<1
Not applicable	134,792	41.5
Unknown	58,883	18.1
Total	324,568	100.0

Figure
6

Chief Complaint Anatomical Location

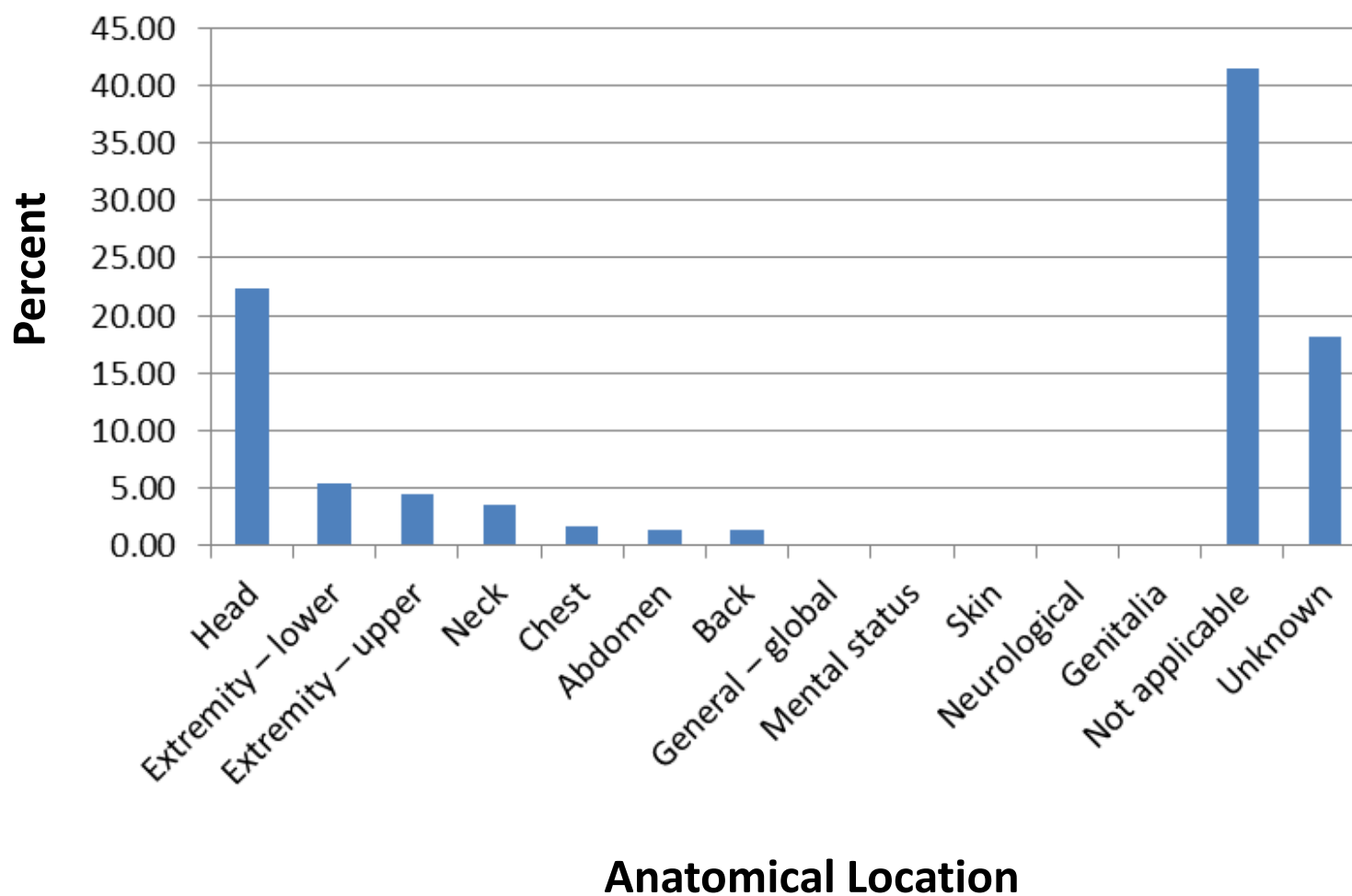


Table
7

Top 5 Mechanisms of Injury

Mechanism	Records	Percent
Motor vehicle traffic	67,064	37.6
Fall	66,065	37.0
Unspecified	16,432	9.2
Other - specified	9,479	5.3
Struck by – against	5,312	3.0
All other causes	14,126	7.9
Total	178,478	100.0

Figure
7

Top 5 Mechanisms of Injury

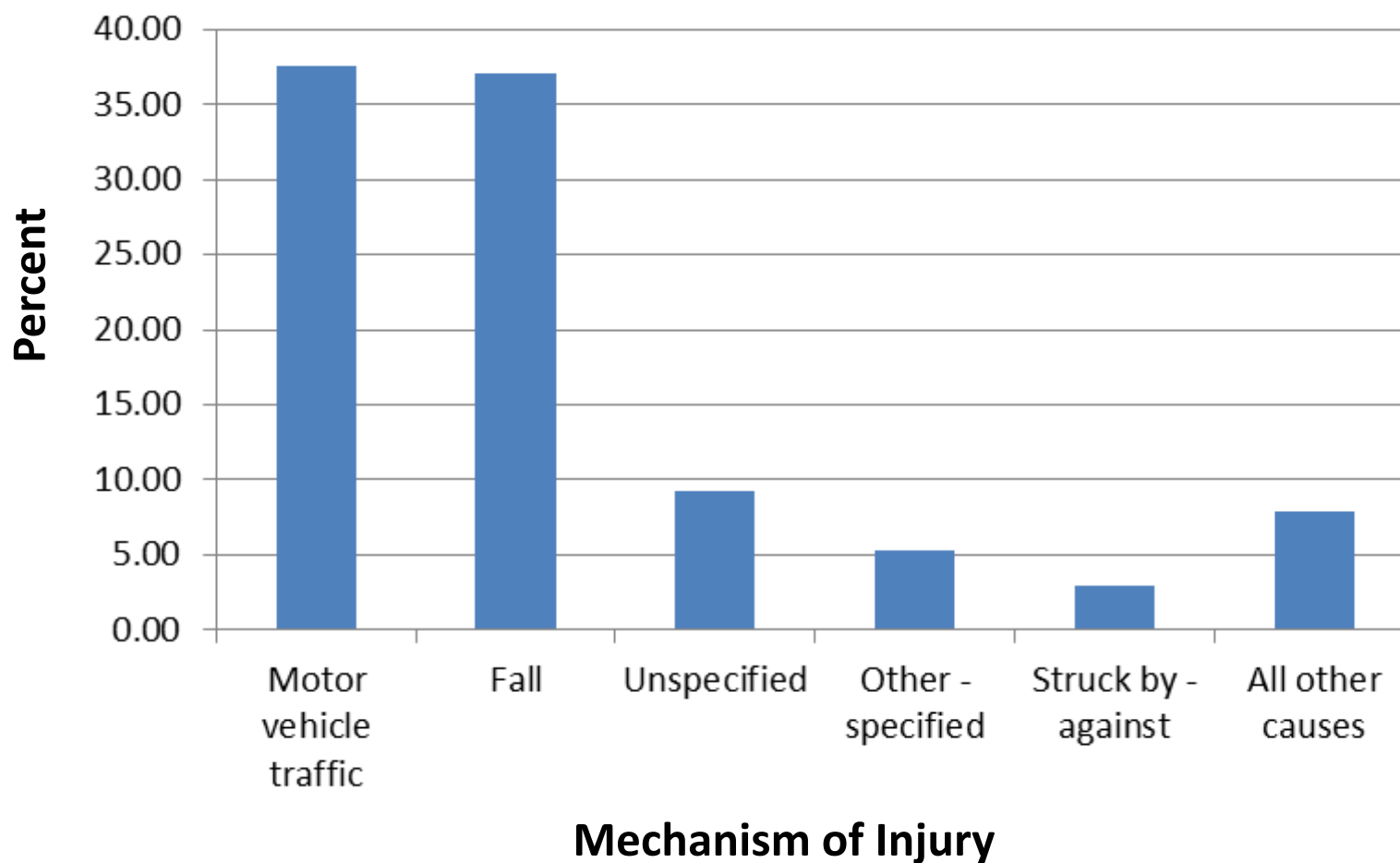


Table
8

Disposition of Patient

Disposition	Records	Percent
Patient treated – transported by EMS	170,796	52.6
Patient evaluated no treatment – transport required	46,398	14.3
Patient treated – released per protocol	39,392	12.1
Canceled prior to arrival at scene	30,735	9.5
Patient treated – released AMA	21,837	6.7
Transport – no treatment	4,396	1.4
No patient found – canceled on scene	3,214	1.0
Patient dead at scene – no EMS transport	1,500	<1
Patient refused evaluation care without transport	872	<1
Patient treated – transferred care to another EMS provider	172	<1
Patient refused evaluation care with transport	32	<1
No patient contact – canceled on scene	25	<1
Assist public	21	<1
Patient dead at scene – transported by EMS	21	<1
Patient treated – transported by private vehicle	17	<1
Patient treated – transported by law enforcement	14	<1
Assist unit	7	<1
Patient dead at scene – no EMS transport with resuscitation	6	<1
Assist agency	2	<1
Standby – public safety fire or EMS operational support	2	<1
Standby – no services or support provided	1	<1
Unknown	5,108	1.6
Total	324,568	100.0

Figure
8

Disposition of Patient

Disposition

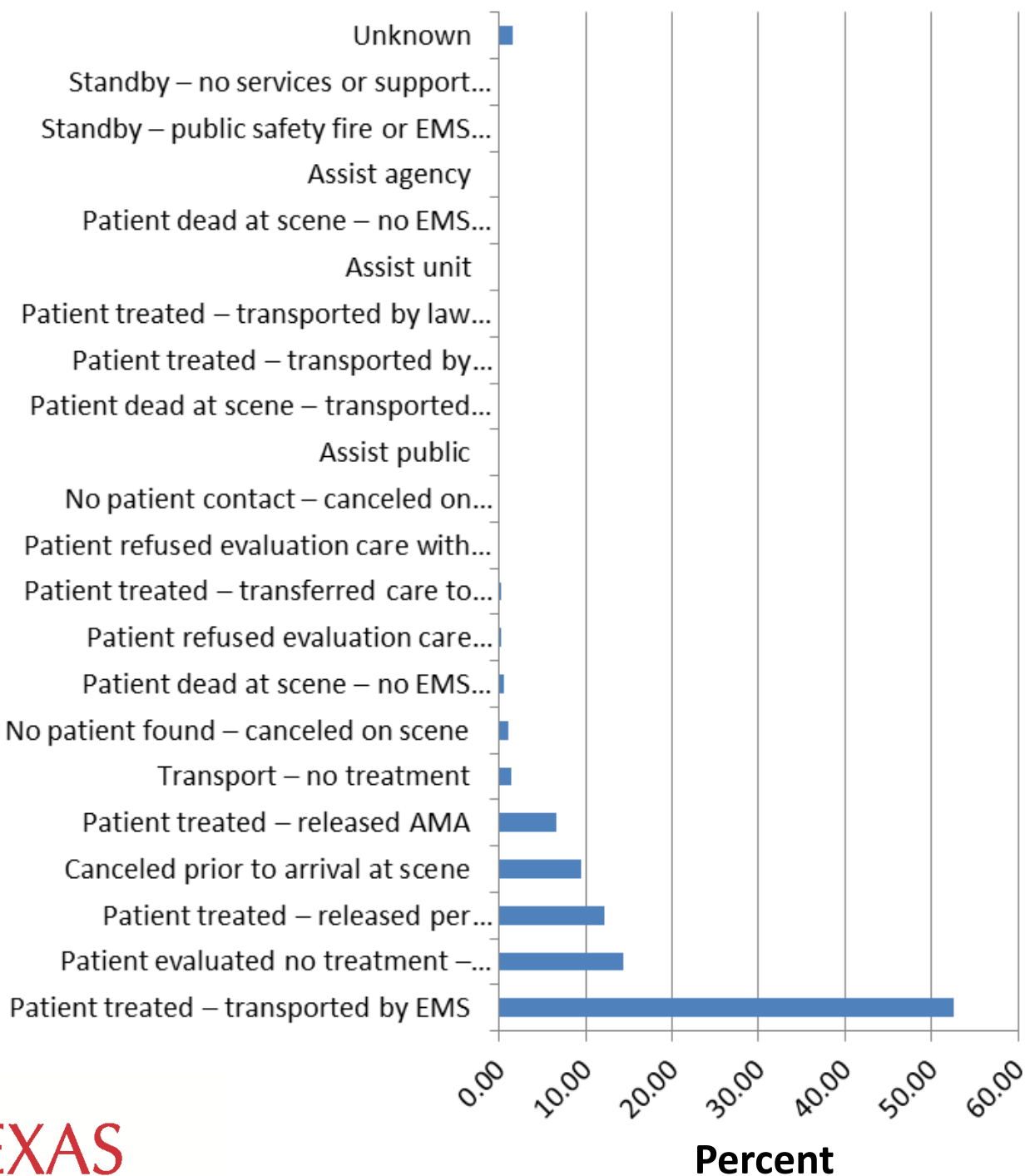


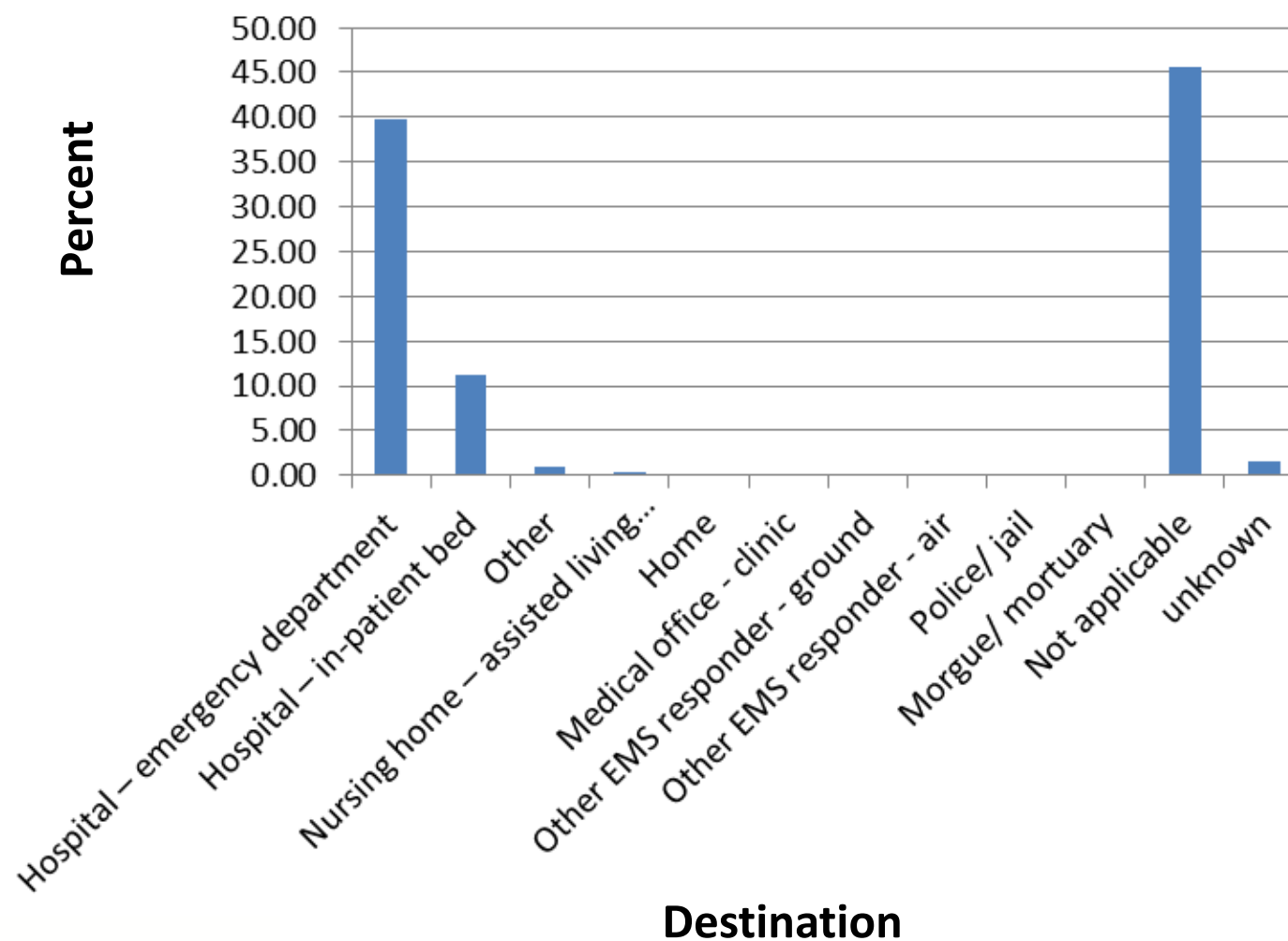
Table
9

Patient Destination Type

Destination	Records	Percent
Hospital – emergency department	129,086	39.8
Hospital – in-patient bed	36,550	11.3
Other	3,394	1.0
Nursing home – assisted living facility	860	<1
Home	517	<1
Medical office – clinic	314	<1
Other EMS responder - ground	283	<1
Other EMS responder - air	192	<1
Police/ jail	22	<1
Morgue/ mortuary	13	<1
Not applicable	148,425	45.7
Unknown	4,912	1.5
Total	324,568	100.0

Figure
9

Patient Destination Type



EMS Call CHARACTERISTICS



Table
10

Month of Incident

Month	Records	Percent
January	30,776	9.5
February	26,660	8.2
March	30,402	9.4
April	27,845	8.6
May	30,408	9.4
June	29,632	9.1
July	26,517	8.2
August	26,519	8.2
September	25,928	8.0
October	26,128	8.1
November	21,923	6.8
December	21,551	6.6
Unknown	279	<1
Total	324,568	100.0

Figure
10

Month of Incident

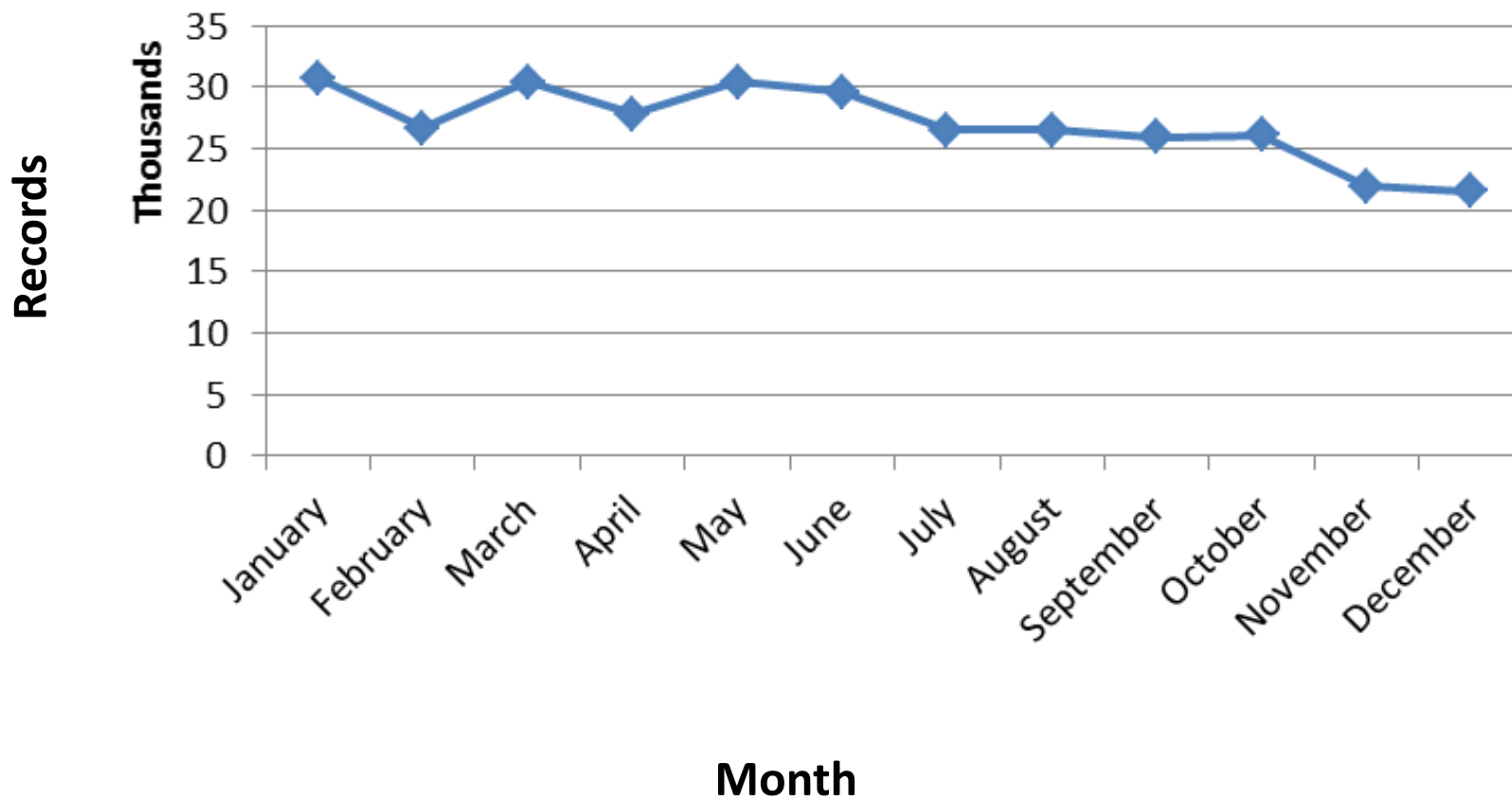


Table
11

Hour of Day

Hour	Records	Percent
0000	5,669	1.7
0100	6,270	1.9
0200	6,578	2.0
0300	4,997	1.5
0400	4,273	1.3
0500	4,294	1.3
0600	5,422	1.7
0700	7,843	2.4
0800	8,733	2.7
0900	8,606	2.7
1000	9,486	2.9
1100	10,416	3.2
1200	11,025	3.4

Hour	Records	Percent
1300	10,648	3.3
1400	11,013	3.4
1500	11,947	3.7
1600	12,840	4.0
1700	12,986	4.0
1800	12,120	3.7
1900	11,250	3.5
2000	10,015	3.1
2100	9,216	2.8
2200	7,756	2.4
2300	6,384	2.0
Unknown	114,781	35.4
Total	324,568	100.0

Figure
11

Hour of Day

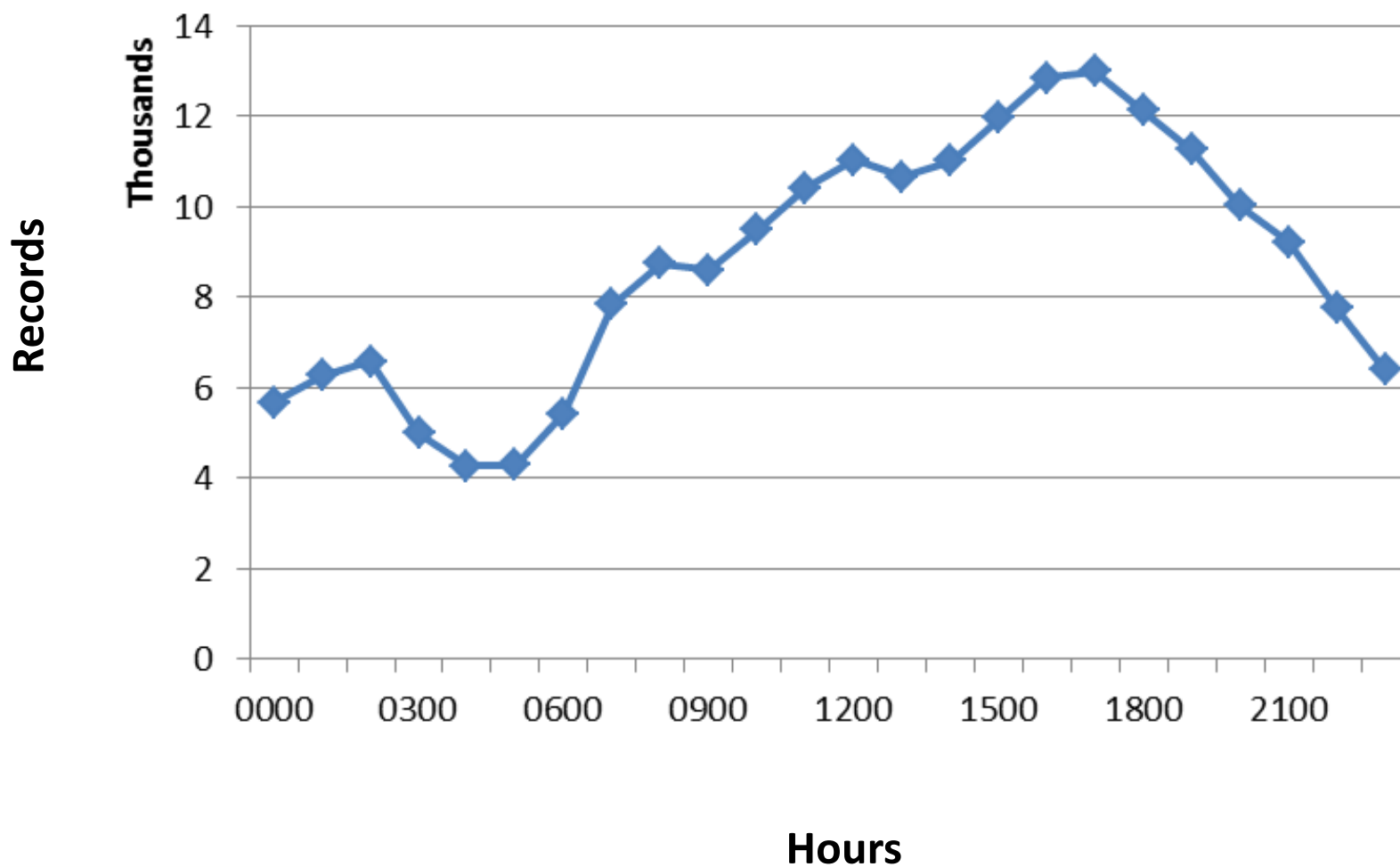


Table
12

Median Total Prehospital Time (in Minutes) by Top 5 Mechanisms of Injury

Mechanism	Records	Total Prehospital Time
Motor vehicle traffic	40,662	36
Fall	51,018	38
Unspecified	8,838	35
Other - specified	5,787	38
Struck by – against	3,484	34

Figure
12

Median Total Prehospital Time (in Minutes) by Top 5 Mechanisms of Injury

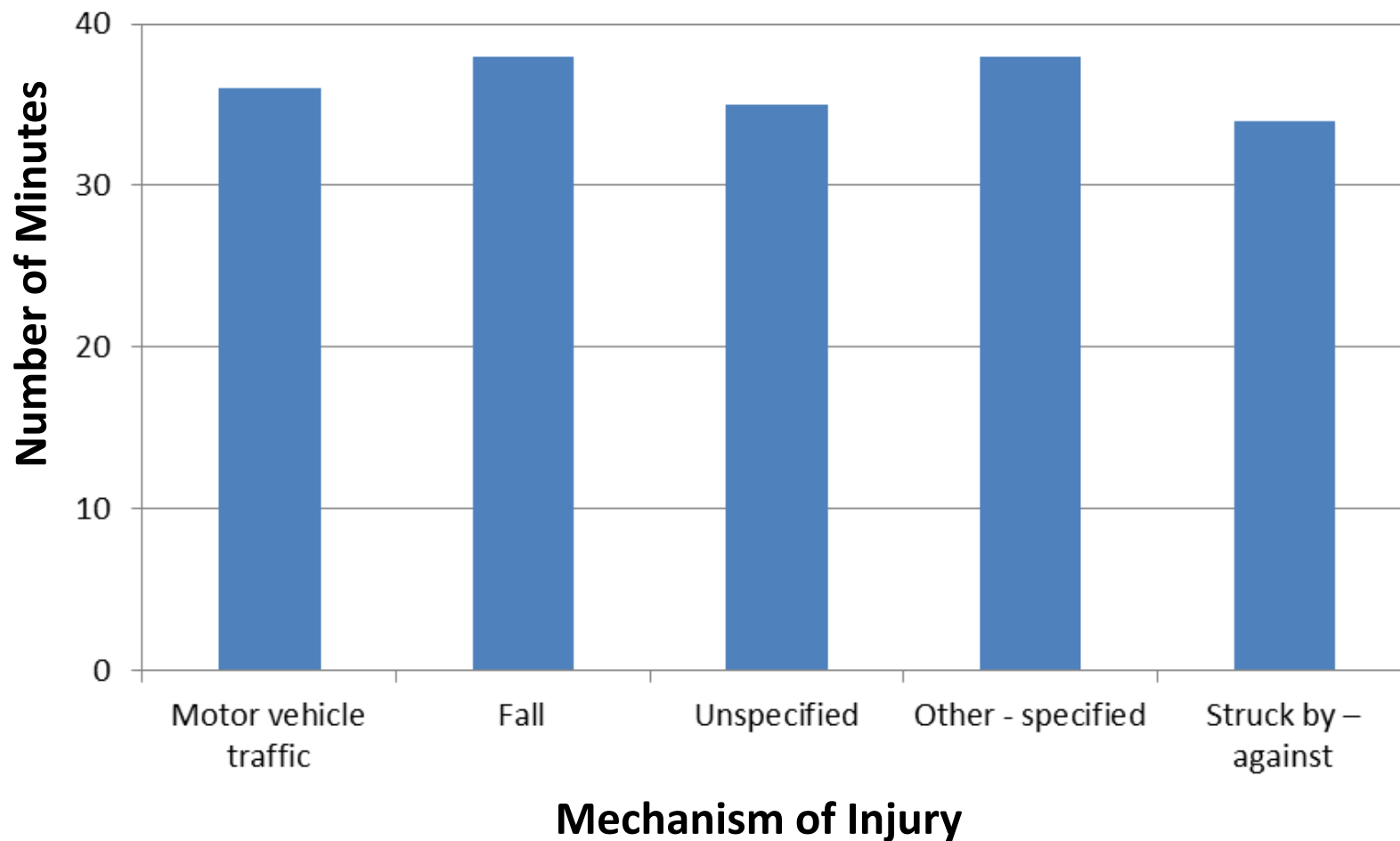


Table
13

Median Prehospital EMS Travel Times (in Minutes) by Top 5 Mechanisms of Injury

Mechanism	EMS Dispatched to Arrival at Scene	Departure from Scene to Arrival at Destination
Motor vehicle traffic	6	12
Fall	6	12
Unspecified	6	12
Other - specified	7	13
Struck by – against	7	12

Figure
13

Median Prehospital EMS Travel Times (in Minutes) by Top 5 Mechanisms of Injury

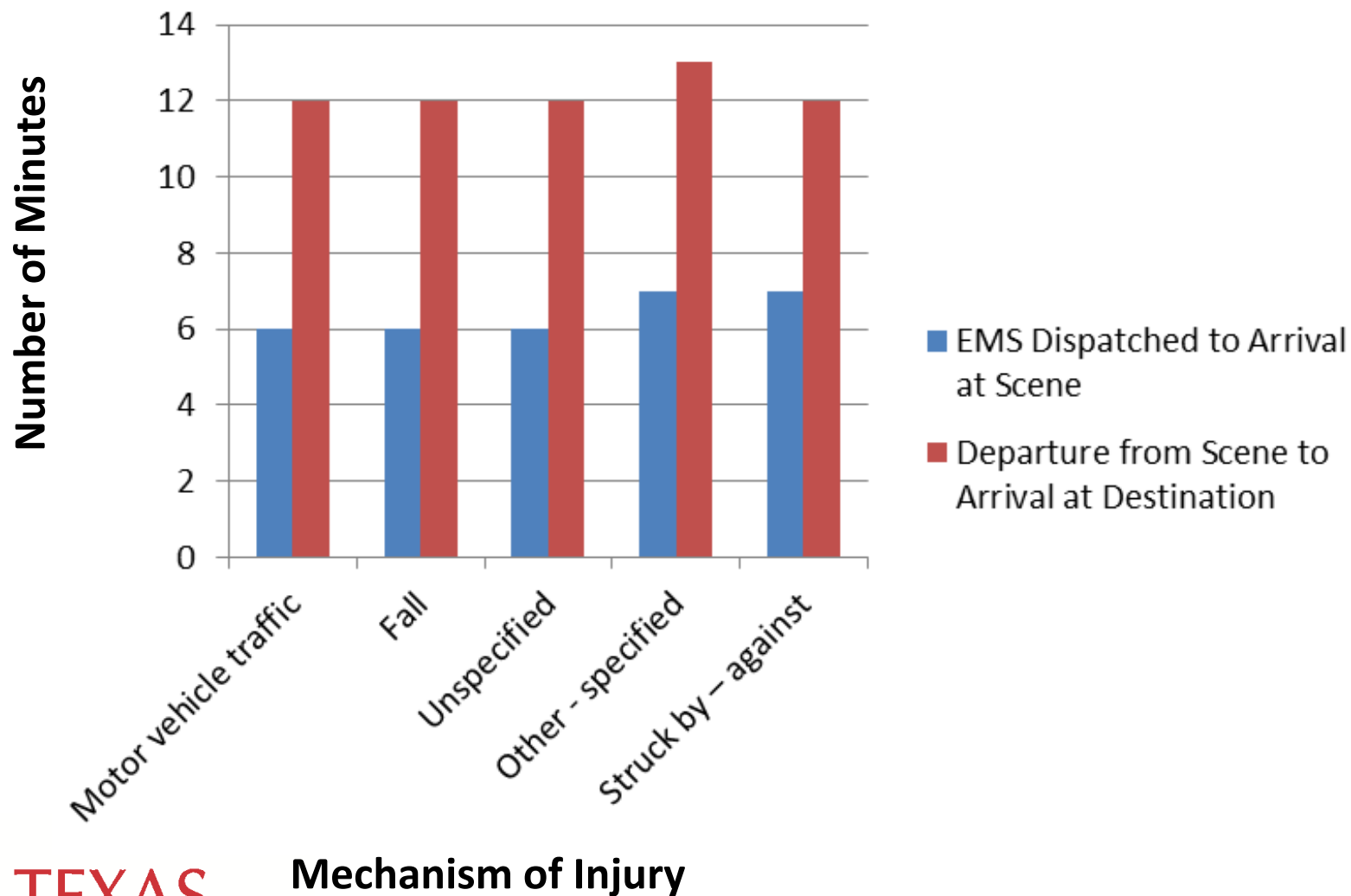


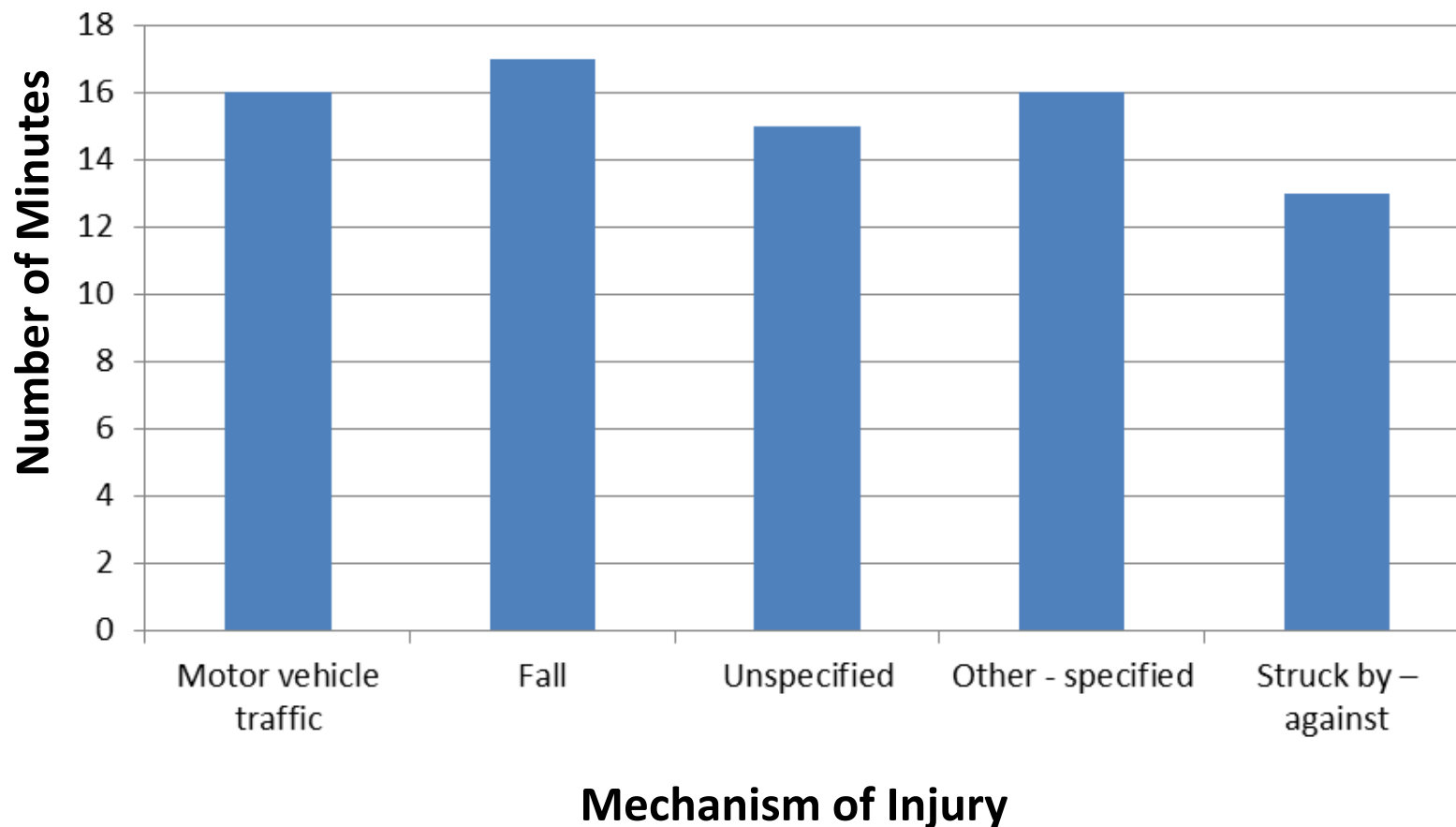
Table
14

Median Prehospital EMS Scene Times (in Minutes) by Top 5 Mechanisms of Injury

Mechanism	Arrival at Scene to Departure from Scene
Motor vehicle traffic	16
Fall	17
Unspecified	15
Other - specified	16
Struck by – against	13

Figure
14

Median Prehospital EMS Scene Times (in Minutes) by Top 5 Mechanisms of Injury



**For questions concerning this report, please
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